

# FEDERALLY ENFORCEABLE APPLICABLE REQUIREMENTS (Emission Unit Specific)

FORM OP - D04

Section D

Facility Name <b>McDonnell Douglas Corporation</b>	County No. <b>4300</b>	Plant No. <b>0230</b>	Year Submitted <b>1997</b>
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Note: In addition to the following "emission unit specific" applicable requirements, all emission points included on this form are reported annually in McDonnell Douglas' Emission Inventory Questionnaire unless otherwise noted. McDonnell Douglas' obligation to record keep, prepare, and submit an annual emissions report for these sources is being addressed herein as a "plant-wide" applicable requirement.

EQ POINT NO.	EMISSION UNIT NO.	EMISSION UNIT DESCRIPTION	POLLUTANT	APPLICABLE REQUIREMENTS	EMISSION LIMIT OR STANDARD AND UNITS	COMPLIANCE DETERMINATION METHOD (TESTING, MONITORING, ETC.)
<b>VAPOR DEGREASERS</b>						
VD-220-01	VD-220-01	Vapor Degreaser	HAP	40 CFR Part 63, Subpart T, Halogenated Solvent Cleaning NESHAP Applicable Subsections 63.460, 63.464, 63.465, 63.467 and 63.468 10 CSR 10-6.075, Maximum Achievable Control Technology Regulations (same as 40 CFR Part 63, Subpart T)	Rule establishes design requirements, sets standards, and offers affected solvent cleaning machines three options for compliance: 1) installing emission control equipment, 2) meeting an idling mode emission limit, or 3) meeting a limit on total emissions. Options 1 and 2 are in conjunction with work practice standards and automated parts handling.	An initial notification was sent to EPA on August 14, 1995. However, a compliance determination is not required at this time since the compliance date for this NESHAP is not until December 2, 1997 for existing sources. This degreaser shall comply by using the 3-month rolling average compliance option. (See Form OP-D05 for future compliance determination methods.)
			VOC	10 CSR 10-5.300, Control of Emissions from Solvent Metal Cleaning	Same as EU: VD-027-01	Same as EU: VD-027-01
			VOC/HAP	10 CSR 10-6.060, Construction Permits Required/ St. Louis County APC Code, Chapter 612 - Section 612.110 St. Louis County Construction Permit #1171	None	N.A.

## EMISSION UNITS REPORTED ON EIQ WHICH HAVE NO OTHER APPLICABLE REQUIREMENTS

FORM OP - D04

Section D

Facility Name <b>McDonnell Douglas Corporation</b>	County No. <b>4300</b>	Plant No. <b>0230</b>	Year Submitted <b>1997</b>
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All emission points included on this form are reported annually in McDonnell Douglas' Emission Inventory Questionnaire.

McDonnell Douglas' obligation to record keep, prepare, and submit an annual emissions report for these sources is being addressed herein as a "plant-wide" applicable requirement.

EIQ POINT NO.	EMISSION UNIT NO.	EMISSION UNIT DESCRIPTION	POLLUTANT	APPLICABLE REQUIREMENTS	EMISSION LIMIT OR STANDARD AND UNITS	COMPLIANCE DETERMINATION METHOD (TESTING, MONITORING, ETC.)
<b>ADHESIVES/SEALANTS</b>						
AS-STL-01	AS-STL-01	Facility-Wide Adhesive/Sealant Emissions (Fugitive)	N A	No emission unit specific applicable requirements.	N A	N A
AS-STL-01	AS-STL-02	Facility-Wide Adhesive/Sealant Curing Ovens	N A	No emission unit specific applicable requirements.	N A	N A
AS-STL-01	AS-101-01	Windshield Bonding	N A	No emission unit specific applicable requirements.	N A	N A
AS-STL-01	AS-101-02	Windshield Bonding	N A	No emission unit specific applicable requirements.	N A	N A
AS-STL-01	SB-002-05	Epoxy Resin Mix Booth	N A	No emission unit specific applicable requirements.	N A	N A
<b>BUILDING FUGITIVES</b>						
BF-STL-01	MS-101-01	Solvent Cleaner/Recycler	N A	No emission unit specific applicable requirements.	N A	N A
BF-STL-02	BF-STL-01	Facility-Wide Building Fugitive Ovens	N A	No emission unit specific applicable requirements.	N A	N A
BF-STL-02	OV-066-02	Electric Epoxy Curing Oven	N A	No emission unit specific applicable requirements.	N A	N A
BF-STL-02	OV-101D-56	Electric Oven	N A	No emission unit specific applicable requirements.	N A	N A
BF-STL-02	PT-102-01	Solvent Process Tank	N A	No emission unit specific applicable requirements.	N A	N A
BF-STL-02	SS-002-01	Silk Screening	N A	No emission unit specific applicable requirements.	N A	N A
<b>COLD CLEANERS</b>						
CC-STL-01	OV-221-02	Electric Drying Oven	N A	No emission unit specific applicable requirements.	N A	N A
CC-STL-01	CC-245-04	Cold Cleaner (Non-Metal Parts)	N A	No emission unit specific applicable requirements.	N A	N A
<b>COATING LINE</b>						
CL-002-01	MB-002-01	Paint Mixing Room	N A	No emission unit specific applicable requirements.	N A	N A
CL-002-02	MB-002-02	Paint Mixing Room	N A	No emission unit specific applicable requirements.	N A	N A
CL-002-01	OV-002-01	Electric Paint Curing Oven	N A	No emission unit specific applicable requirements.	N A	N A
CL-002-02	SB-002-03	Bench Spray Hood (Mock-up, Model Aircraft)	N A	No emission unit specific applicable requirements.	N A	N A
CL-027-01	OV-027-11	Electric Paint Curing Oven	N A	No emission unit specific applicable requirements.	N A	N A
CL-027-01	OV-027-23	Electric Paint Curing Oven	N A	No emission unit specific applicable requirements.	N A	N A
CL-027-01	OV-027-24	Electric Paint Curing Oven	N A	No emission unit specific applicable requirements.	N A	N A
CL-048-01	SS-048-01	Silk Screening	N A	No emission unit specific applicable requirements.	N A	N A
CL-063-01	SB-063-02	Bench Spray Hood (Experimental Lab Activities)	N A	No emission unit specific applicable requirements.	N A	N A
CL-101-01	SB-101-46	Spray Booth (Research & Development)	N A	No emission unit specific applicable requirements.	N A	N A
CL-102-01	OV-102-19	Electric Paint Curing Oven	N A	No emission unit specific applicable requirements.	N A	N A
CL-102-01	OV-102-21	Electric Paint Curing Oven	N A	No emission unit specific applicable requirements.	N A	N A
CL-102-01	OV-102-22	Electric Paint Curing Oven	N A	No emission unit specific applicable requirements.	N A	N A
CL-102-01	OV-102-23	Electric Paint Curing Oven	N A	No emission unit specific applicable requirements.	N A	N A
CL-220-01	OV-220-18	Electric Adhesive Primer Curing Oven	N A	No emission unit specific applicable requirements.	N A	N A
CL-245-02	MB-245-01	Paint Mixing Room	N A	No emission unit specific applicable requirements.	None	N A
CL-245-01	SB-245-03	Paint Area (Tooling, Maintenance)	N A	No emission unit specific applicable requirements.	None	N A

## EMISSION UNITS REPORTED ON EIQ WHICH HAVE NO OTHER APPLICABLE REQUIREMENTS

Section D

FORM OP - D04

Facility Name	County No.	Plant No.	Year Submitted
McDonnell Douglas Corporation	4300	0230	1997

All emission points included on this form are reported annually in McDonnell Douglas' Emission Inventory Questionnaire.

McDonnell Douglas' obligation to record keep, prepare, and submit an annual emissions report for these sources is being addressed herein as a "plant-wide" applicable requirement.

EIQ POINT NO.	EMISSION UNIT NO.	EMISSION UNIT DESCRIPTION	POLLUTANT	APPLICABLE REQUIREMENTS	EMISSION LIMIT OR STANDARD AND UNITS	COMPLIANCE DETERMINATION METHOD (TESTING, MONITORING, ETC.)
<b>COMBUSTION SOURCES</b>						
CS-027-01	CS-027-01	Natural Gas Make-Up Air Heater (Direct Fired) (10-100 MMBtu/hr)	N A	No emission unit specific applicable requirements.	N A	N A
CS-027-01	CS-027-02	Natural Gas Make-Up Air Heater (Direct Fired) (10-100 MMBtu/hr)	N A	No emission unit specific applicable requirements.	N A	N A
CS-027-01	CS-027-03	Natural Gas Make-Up Air Heater (Direct Fired) (10-100 MMBtu/hr)	N A	No emission unit specific applicable requirements.	N A	N A
CS-027-01	CS-027-04	Natural Gas Make-Up Air Heater (Direct Fired) (10-100 MMBtu/hr)	N A	No emission unit specific applicable requirements.	N A	N A
CS-027-01	CS-027-05	Natural Gas Make-Up Air Heater (Direct Fired) (10-100 MMBtu/hr)	N A	No emission unit specific applicable requirements.	N A	N A
CS-027-01	CS-027-06	Natural Gas Make-Up Air Heater (Direct Fired) (10-100 MMBtu/hr)	N A	No emission unit specific applicable requirements.	N A	N A
CS-STL-01	CS-STL-01B	Facility-Wide Natural Gas Direct Fired Combustion Sources	N A	No emission unit specific applicable requirements.	N A	N A
FA-005-01	FA-005-01	Fly Ash Collection System	N A	No emission unit specific applicable requirements.	N A	N A
<b>COOLING TOWERS</b>						
CT-STL-01	CT-STL-01A	Facility-Wide Cooling Towers	N A	No emission unit specific applicable requirements.	N A	N A
CT-STL-01	CT-STL-01B	Facility-Wide Spray Ponds	N A	No emission unit specific applicable requirements.	N A	N A
<b>COMPOSITE USAGE</b>						
CU-STL-01	CU-STL-01A	Facility-Wide Autoclaves	N A	No emission unit specific applicable requirements.	N A	N A
CU-STL-01	CU-STL-01B	Facility-Wide Composite Curing Ovens	N A	No emission unit specific applicable requirements.	N A	N A
CU-STL-01	HP-101-01	Composite Curing Hot Press	N A	No emission unit specific applicable requirements.	N A	N A
CU-STL-01	HP-220-01	Composite Curing Hot Press	N A	No emission unit specific applicable requirements.	N A	N A
CU-STL-01	MS-029A-04	Composite Fiber Placement Machine	N A	No emission unit specific applicable requirements.	N A	N A
<b>HEAT TREAT OVENS</b>						
HT-027-01	OV-027-01	Endothermic Gas Heat Treat Oven	N A	No emission unit specific applicable requirements.	N A	N A
HT-027-01	OV-027-02	Endothermic Gas Heat Treat Oven	N A	No emission unit specific applicable requirements.	N A	N A
HT-027-01	OV-027-03	Endothermic Gas Heat Treat Oven	N A	No emission unit specific applicable requirements.	N A	N A
HT-245-01	OV-245-04	Endothermic Gas Heat Treat Oven	N A	No emission unit specific applicable requirements.	N A	N A
HT-245-01	OV-245-05	Endothermic Gas Heat Treat Oven	N A	No emission unit specific applicable requirements.	N A	N A
HT-245-01	OV-245-06	Endothermic Gas Heat Treat Oven	N A	No emission unit specific applicable requirements.	N A	N A
<b>MAINTENANCE PAINTING</b>						
MP-STL-01	MP-STL-01	Facility-Wide Maintenance/Architectural Painting	N A	No emission unit specific applicable requirements.	N A	N A
MP-STL-01	SB-002-04	Spray Booth (Maintenance Activities)	N A	No emission unit specific applicable requirements.	N A	N A
MP-STL-01	SB-032-02	Spray Hood (Model Aircraft)	N A	No emission unit specific applicable requirements.	N A	N A

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Facility Name <b>McDonnell Douglas Corporation</b>	County No. <b>4300</b>	Plant No. <b>0230</b>	Year Submitted <b>1997</b>
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EIQ POINT NO.	EMISSION UNIT NO.	EMISSION UNIT DESCRIPTION	POLLUTANT	APPLICABLE REQUIREMENTS	EMISSION LIMIT OR STANDARD AND UNITS	COMPLIANCE DETERMINATION METHOD (TESTING, MONITORING, ETC.)
<b>PROCESS TANKS (Etching, Plating, Anodizing, etc.)</b>						
PT-027-04	PT-027-04A	Process Tank	N A.	No emission unit specific applicable requirements.	N A.	N A.
PT-027-04	PT-027-04C	Process Tank	N A.	No emission unit specific applicable requirements.	N A.	N A.
PT-027-11	PT-027-11	Process Tank	N A.	No emission unit specific applicable requirements.	N A.	N A.
PT-051-01	PT-051-01	Process Tank		No emission unit specific applicable requirements.	N A.	N A.
PT-101-03	PT-101-03B	Process Tank	N A.	No emission unit specific applicable requirements.	N A.	N A.
<b>REFUELING</b>						
RF-STL-01	RF-STL-01	Unleaded Refueling	N A.	No emission unit specific applicable requirements.	N A.	N A.
RF-STL-02	RF-STL-02	Aircraft Fueling	N A.	No emission unit specific applicable requirements.	N A.	N A.
<b>VENTED SOLVENTS</b>						
BF-101-03	VS-101-04	Solvent Steam Cleaning Room	N A.	No emission unit specific applicable requirements.	N A.	N A.
<b>WELDING</b>						
WE-STL-01	WE-STL-01	Facility-Wide Welding Units	N A.	No emission unit specific applicable requirements.	N A.	N A.



Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. <i>Plant-wide</i>	Emission Unit No. <i>Plant-wide</i>	Applicable Requirement: 40 CFR Part 61, Applicable subsections of 61.145, 61.150, 61.152, and 61.153		
<b>5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)</b>				
Check the Applicable Method		Basis of Compliance Method		
<input checked="" type="checkbox"/> Testing <input checked="" type="checkbox"/> Recordkeeping		<input checked="" type="checkbox"/> Monitoring <input checked="" type="checkbox"/> Reporting <input type="checkbox"/> Gap Filling		
<b>Testing</b>				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.				
Date	Test Method <i>N.A.</i>	Firm	Operating Conditions	Summary of Results
<b>Recordkeeping</b>				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded <i>as required by the applicable subsections of 61.145, 61.150, and 61.153</i>	Measurement Method <i>For any asbestos abatement work, McDonnell Douglas will follow the requirements of the applicable subsections of the rule including notification, registration, etc.</i>	Frequency <i>As required by regulation</i>	Record Retention <i>As required by regulation</i>	
<b>Monitoring</b>				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type <i>as required by the applicable subsections of the rule</i>	Location Description		Pollutant(s) Being Monitored	
Sampling Frequency	Duration of Sampling	How Data Will Be Reported		
<b>Reporting</b>				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement <i>per the applicable subsections of 61.145, 61.150, and 61.153</i>	Title of Report <i>Asbestos Project Notification</i>		Submittal Frequency <i>per the applicable subsections of 61.145, 61.150, and 61.153</i>	
Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05				

Facility Name McDonnell Douglas Corporation	County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. <i>Plant-wide</i>	Emission Unit No. <i>Plant-wide</i>	Applicable Requirement: <i>40 CFR Part 70 and 10 CSR 10-6.065</i>	

## Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)

Check the Applicable Method

☒ Testing☒ Recordkeeping☒ Monitoring☒ Reporting

Basis of Compliance Method

☒ Applicable Requirements☐ Gap Filling

## Testing

Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.

Date	Test Method <i>as required by the applicable regulations</i>	Firm	Operating Conditions	Summary of Results

## Recordkeeping

List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.

Parameter (data) Being Recorded	Measurement Method	Frequency	Record Retention
<i>as required by the applicable regulations</i>	<i>as required by the applicable regulations</i>	<i>as required by the applicable regulations</i>	<i>5 years</i>

## Monitoring

Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.

Monitoring Device Type <i>as required by the applicable regulations</i>	Location Description	Pollutant(s) Being Monitored
Sampling Frequency	Duration of Sampling	How Data Will Be Reported

## Reporting

Describe all reporting requirements and provide the title and frequency of report submittals to the agency.

Reporting Requirement	Title of Report	Submittal Frequency
<i>Prepare and submit operating permit application for the facility.</i>	<i>Title V Operating Permit Application</i>	<i>once every five (5) years or as required by the applicable regulation</i>

Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05

ORM OP - D05		COMPLIANCE DETERMINATION METHODS		FEDERALLY ENFORCEABLE	
Facility Name McDonnell Douglas Corporation		County No. 4300		Plant No. 0230	
Emission Point No. <i>Plant-wide</i>		Emission Unit No. <i>Plant-wide</i>		Applicable Requirement: <i>40 CFR Part 82</i> <i>Applicable sections of Subpart A: 82.13</i> <i>Ozone Depleting Substance Exports</i>	
5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)					
Check the Applicable Method			Basis of Compliance Method		
<input type="checkbox"/> Testing <input checked="" type="checkbox"/> Recordkeeping			<input checked="" type="checkbox"/> Monitoring <input checked="" type="checkbox"/> Reporting <input type="checkbox"/> Gap Filling		
<b>Testing</b> Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.					
Date	Test Method <i>N.A.</i>	Firm	Operating Conditions	Summary of Results	
<b>Recordkeeping</b> List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.					
Parameter (data) Being Recorded <i>amount and type of Class I ozone depleting substance exported, receiving country</i>		Measurement Method <i>export records</i>		Frequency <i>when Class I ozone depleting substance export occurs</i>	Record Retention <i>5 years</i>
<b>Monitoring</b> Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.					
Monitoring Device Type <i>record keeping as identified in the above section</i>		Location Description			Pollutant(s) Being Monitored
Sampling Frequency		Duration of Sampling	How Data Will Be Reported		
<b>Reporting</b> Describe all reporting requirements and provide the title and frequency of report submittals to the agency.					
Reporting Requirement <i>report of Class I ozone depleting substance exports, to EPA</i>		Title of Report <i>Class I ODS Export Report</i>		Submittal Frequency <i>within 45 days of the end of each "control period"</i>	



Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. <i>Plant-wide</i> <i>Servicing of Motor Vehicle Air</i> <i>Conditioners</i>	Emission Unit No. <i>Plant-wide</i>	Applicable Requirement: <i>40 CFR Part 82</i> <i>Applicable sections of Subpart B</i>		
<b>Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)</b>				
Check the Applicable Method		Basis of Compliance Method		
<input type="checkbox"/> Testing	<input checked="" type="checkbox"/> Monitoring	<input checked="" type="checkbox"/> Applicable Requirements		
<input checked="" type="checkbox"/> Recordkeeping	<input checked="" type="checkbox"/> Reporting	<input type="checkbox"/> Gap Filling		
<b>Testing</b>				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.				
Date	Test Method <i>N.A.</i>	Firm	Operating Conditions	Summary of Results
<b>Recordkeeping</b>				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded	Measurement Method	Frequency	Record Retention	
1) operator training and certification	1) Records of operator training and certification will be kept on file.	1) as training and certification occurs	5 years	
2) use of proper equipment	2) Only equipment which is approved will be used to service motor vehicle air conditioners.	2) N.A.		
<b>Monitoring</b>				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type <i>recordkeeping as identified in the above section</i>	Location Description	Pollutant(s) Being Monitored		
Sampling Frequency	Duration of Sampling	How Data Will Be Reported		
<b>Reporting</b>				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement <i>Certification statement to EPA stating that the individuals servicing motor vehicle air conditioners are properly certified and trained using approved equipment.</i>	Title of Report -	Submittal Frequency <i>no later than January 1, 1993 or within 30 days of new ownership</i>		

Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. <i>Plant-wide</i>	Emission Unit No. <i>Plant-wide</i>	Applicable Requirement: <i>40 CFR Part 82</i> <i>Applicable subsections of Subpart E</i>		
<b>5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)</b>				
Check the Applicable Method		Basis of Compliance Method		
<input type="checkbox"/> Testing <input checked="" type="checkbox"/> Recordkeeping		<input checked="" type="checkbox"/> Monitoring <input type="checkbox"/> Reporting <input checked="" type="checkbox"/> Applicable Requirements <input type="checkbox"/> Gap Filling		
<b>Testing</b>				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.				
Date	Test Method <i>N.A.</i>	Firm	Operating Conditions	Summary of Results
<b>Recordkeeping</b>				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded <i>1) warning statements on or accompanying final products manufactured with or containing Class I ozone depleting substances (and Class II ozone depleting substances after Jan 1, 2015 or promulgation of earlier labeling rule)</i> <i>2) labeling of containers of Class I or II ozone depleting substances</i>	Measurement Method <i>Keep a copy of the forms (containing a warning label) which accompany the delivery of completed aircraft, missiles, or subassemblies.</i>	Frequency <i>with each product delivery</i>	Record Retention <i>5 years</i>	
<b>Monitoring</b>				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type <i>record keeping as identified in the above section</i>	Location Description		Pollutant(s) Being Monitored	
Sampling Frequency	Duration of Sampling	How Data Will Be Reported		
<b>Reporting</b>				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement <i>None</i>	Title of Report <i>-</i>	Submittal Frequency <i>N.A.</i>		
Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05				

FORM OP - D05		COMPLIANCE DETERMINATION METHODS		FEDERALLY ENFORCEABLE		Section D			
Facility Name McDonnell Douglas Corporation			County No. 4300		Plant No. 0230		Year Submitted 1997		
Emission Point No. <i>Plant-wide</i> <i>Chlorine Depleting Substance Recycling and Emission Reduction</i>			Emission Unit No. <i>Plant-wide</i>		Applicable Requirement: <i>40 CFR Part 82</i> <i>Applicable sections of Subpart F</i>				
Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)									
Check the Applicable Method					Basis of Compliance Method				
<input type="checkbox"/> Testing					<input checked="" type="checkbox"/> Monitoring				
<input checked="" type="checkbox"/> Recordkeeping					<input checked="" type="checkbox"/> Reporting				
					<input checked="" type="checkbox"/> Applicable Requirements				
					<input type="checkbox"/> Gap Filling				
Testing									
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.									
Date		Test Method		Firm		Operating Conditions		Summary of Results	
		N.A.							
Recordkeeping									
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.									
Parameter (data) Being Recorded			Measurement Method			Frequency		Record Retention	
1) <i>per the requirements of 82.166</i>			1) <i>per the requirements of 82.166</i>			1) <i>per the requirements of 82.166</i>		5 years	
2) <i>operator training and certification</i>			2) <i>Records of operator training and certification will be kept on file.</i>			2) <i>as training and certification occur</i>			
3) <i>use of proper equipment</i>			3) <i>Only equipment which is approved will be used to service stationary refrigerant sources.</i>			3) <i>N.A.</i>			
4) <i>records of all refrigerant transfers</i>			4) <i>Records of all refrigerant transfers will be kept on file.</i>			4) <i>as transfers are made</i>			
Monitoring									
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.									
Monitoring Device Type			Location Description				Pollutant(s) Being Monitored		
<i>Record keeping as identified in the above section</i>									
Sampling Frequency			Duration of Sampling		How Data Will Be Reported				
Reporting									
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.									
Reporting Requirement			Title of Report			Submittal Frequency			
<i>Report to EPA any units which exceed allowable leak rates and can not be repaired within rule time frames per the requirements of 82.166.</i>			-			<i>upon determination that unit is subject to reporting per the requirements of 82.166</i>			

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. <i>Plant-wide</i>	Emission Unit No. <i>Plant-wide</i>	Applicable Requirement: <i>10 CSR 10-5.070</i>		
<b>5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)</b>				
Check the Applicable Method		Basis of Compliance Method		
<input type="checkbox"/> Testing <input type="checkbox"/> Recordkeeping		<input type="checkbox"/> Monitoring <input checked="" type="checkbox"/> <i>see below</i> Reporting		
		<input type="checkbox"/> Applicable Requirements <input checked="" type="checkbox"/> Gap Filling		
<b>Testing</b>				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.				
Date	Test Method	Firm	Operating Conditions	Summary of Results
	<i>N.A.</i>			
<b>Recordkeeping</b>				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded	Measurement Method	Frequency	Record Retention	
<i>N.A.</i>				
<b>Monitoring</b>				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type	Location Description	Pollutant(s) Being Monitored		
<i>N.A.</i>				
Sampling Frequency	Duration of Sampling	How Data Will Be Reported		
<b>Reporting</b>				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement	Title of Report	Submittal Frequency		
<i>No reporting required. If any open burning is conducted, McDonnell Douglas shall follow the restrictions and provisions of Section (3) of the rule.</i>		<i>N.A.</i>		

Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. <i>Plant-wide excluding unit-specific opacity monitoring for CS-005-02, -03, -04 and CS-101-05, -06</i>	Emission Unit No. <i>Plant-wide excluding unit-specific opacity monitoring for CS-005-02, -03, -04 and CS-101-05, -06</i>	Applicable Requirement: <i>10 CSR 10-5.090</i>		
<b>5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)</b>				
Check the Applicable Method		Basis of Compliance Method		
<input type="checkbox"/> Testing	<input checked="" type="checkbox"/> Monitoring	<input type="checkbox"/> Applicable Requirements		
<input checked="" type="checkbox"/> Recordkeeping	<input type="checkbox"/> Reporting	<input checked="" type="checkbox"/> Gap Filling		
<b>Testing</b>				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.				
Date	Test Method	Firm	Operating Conditions	Summary of Results
	<i>N.A.</i>			
<b>Recordkeeping</b>				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded	Measurement Method	Frequency	Record Retention	
<i>opacity</i>	<i>visual observation or Method 9</i>	<i>see attached (Page D05F-8A)</i>	<i>5 years</i>	
<b>Monitoring</b>				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type	Location Description	Pollutant(s) Being Monitored		
<i>visual observation or Method 9</i>	<i>particulate sources - see attached (Page D05F-8A)</i>	<i>opacity</i>		
Sampling Frequency	Duration of Sampling	How Data Will Be Reported		
<i>see attached (Page D05F-8A)</i>	<i>see attached (Page D05F-8A)</i>			
<b>Reporting</b>				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement	Title of Report	Submittal Frequency		
<i>None</i>	<i>N.A.</i>	<i>N.A.</i>		
Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05				



**FORM OP - F01****GENERAL COMMENTS****Section F**

Facility Name	County No.	Plant No.	Year Submitted
McDonnell Douglas Corporation	4300	0230	1997

**Form OP-D05 for 10 CSR 10-5.090 (CS-005-02, -03, -04, and CS-101-05, -06)**

With the exception of unit-specific opacity determinations described for CS-005-02, CS-005-03, CS-005-04, (coal fired boilers) and CS-101-05 and CS-101-06 (refuse-fired boilers), plant-wide opacity compliance will be determined through visual observation by McDonnell Douglas air pollution control staff. If an opacity problem is observed, a certified Method 9 Observer will be notified, and a follow-up Method 9 observation made and recorded. The visual observation will be as follows:

**Boilers with fuel oil backup:** Once each working day (air pollution staff) that natural gas supplies are interrupted to an affected boiler.

**Emergency generators:** Once each working day (air pollution staff) that electrical power is interrupted in an area served by emergency generators for a period of four hours or more (i.e., excluding equipment tests and brief outages).

**Natural gas combustion units and other particulate emission sources not described above:** Quarterly recorded plant-wide visual observation.

## FORM OP - D05

## COMPLIANCE DETERMINATION METHODS

FEDERALLY ENFORCEABLE

## Section D

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. <i>Plant-wide</i>	Emission Unit No. <i>Plant-wide</i>	Applicable Requirement: <i>10 CSR 10-5.100</i>		
<b>5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)</b>				
Check the Applicable Method		Basis of Compliance Method		
<input type="checkbox"/> Testing	<input checked="" type="checkbox"/> Monitoring	<input type="checkbox"/> Applicable Requirements		
<input type="checkbox"/> Recordkeeping	<input type="checkbox"/> Reporting	<input checked="" type="checkbox"/> Gap Filling		
<b>Testing</b>				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.				
Date	Test Method	Firm	Operating Conditions	Summary of Results
	<i>N.A.</i>			
<b>Recordkeeping</b>				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded	Measurement Method	Frequency	Record Retention	
<i>N.A.</i>				
<b>Monitoring</b>				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type	Location Description		Pollutant(s) Being Monitored	
<i>Agency inspection records</i>			<i>PM</i>	
Sampling Frequency	Duration of Sampling	How Data Will Be Reported		
<b>Reporting</b>				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement	Title of Report	Submittal Frequency		
<i>None</i>	<i>N.A.</i>	<i>N.A.</i>		

Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05

## FORM OP - D05

## COMPLIANCE DETERMINATION METHODS

FEDERALLY ENFORCEABLE

## Section D

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. <i>Plant-wide</i>	Emission Unit No. <i>Plant-wide</i>	Applicable Requirement: <i>10 CSR 10-5.110 (3) and (4)</i>		
<b>5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)</b>				
Check the Applicable Method		Basis of Compliance Method		
<input type="checkbox"/> Testing	<input checked="" type="checkbox"/> Monitoring	<input type="checkbox"/> Applicable Requirements		
<input checked="" type="checkbox"/> Recordkeeping	<input type="checkbox"/> Reporting	<input checked="" type="checkbox"/> Gap Filling		
<b>Testing</b>				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.				
Date	Test Method <i>N.A.</i>	Firm	Operating Conditions	Summary of Results
<b>Recordkeeping</b>				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded	Measurement Method	Frequency	Record Retention	
<i>See Attachment B following Form OP-D05 for 10 CSR 10-6.260 (Page D05S-8).</i>	<i>See Attachment B following Form OP-D05 for 10 CSR 10-6.260 (Page D05S-8).</i>	-	-	
<b>Monitoring</b>				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type	Location Description		Pollutant(s) Being Monitored	
<i>See Attachment B following Form OP-D05 for 10 CSR 10-6.260 (Page D05S-8).</i>				
Sampling Frequency	Duration of Sampling	How Data Will Be Reported		
<b>Reporting</b>				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement	Title of Report		Submittal Frequency	
<i>No routine reporting. Records shall be made available to the agency upon request.</i>	<i>N.A.</i>		<i>N.A.</i>	

Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05



## FORM OP - D05

## COMPLIANCE DETERMINATION METHODS

## FEDERALLY ENFORCEABLE

## Section D

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. <i>Plant-wide</i>	Emission Unit No. <i>Plant-wide</i>	Applicable Requirement: <i>10 CSR 10-5.150 (2) and (3)</i>		
<b>5 Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)</b>				
Check the Applicable Method		Basis of Compliance Method		
<input type="checkbox"/> Testing	<input checked="" type="checkbox"/> Monitoring	<input type="checkbox"/> Applicable Requirements		
<input checked="" type="checkbox"/> Recordkeeping	<input type="checkbox"/> Reporting	<input checked="" type="checkbox"/> Gap Filling		
<b>Testing</b>				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.				
Date	Test Method	Firm	Operating Conditions	Summary of Results
	<i>N.A.</i>			
<b>Recordkeeping</b>				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded	Measurement Method	Frequency	Record Retention	
<i>See Attachment B following Form OP-D05 for 10 CSR 10-6.260 (Page D05S-8).</i>	<i>See Attachment B following Form OP-D05 for 10 CSR 10-6.260 (Page D05S-8).</i>	-	-	
<b>Monitoring</b>				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type	Location Description		Pollutant(s) Being Monitored	
<i>See Attachment B following Form OP-D05 for 10 CSR 10-6.260 (Page D05S-8).</i>				
Sampling Frequency	Duration of Sampling	How Data Will Be Reported		
<b>Reporting</b>				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement	Title of Report		Submittal Frequency	
<i>No routine reporting. Records shall be made available to the agency upon request.</i>	<i>N.A.</i>		<i>N.A.</i>	

Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05

Facility Name McDonnell Douglas Corporation	County No. 4300	Plant No. 0230	Year Submitted 1997
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Emission Point No. <i>Plant-wide</i>	Emission Unit No. <i>Plant-wide</i>	Applicable Requirement: <i>10 CSR 10-6.110</i>
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**5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)**

Check the Applicable Method

<input checked="" type="checkbox"/> Testing	<input checked="" type="checkbox"/> Monitoring
<input checked="" type="checkbox"/> Recordkeeping	<input checked="" type="checkbox"/> Reporting

Basis of Compliance Method

<input checked="" type="checkbox"/> Applicable Requirements
<input type="checkbox"/> Gap Filling

**Testing**

Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.

Date	Test Method	Firm	Operating Conditions	Summary of Results
	<i>N.A.</i>			

**Recordkeeping**

List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.

Parameter (data) Being Recorded	Measurement Method	Frequency	Record Retention
<i>material and fuel usage data</i>	<i>use of plant purchasing records/material tracking system</i>	<i>annually</i>	<i>5 years</i>

**Monitoring**

Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.

Monitoring Device Type	Location Description	Pollutant(s) Being Monitored
<i>record keeping as identified in the above section</i>		
Sampling Frequency	Duration of Sampling	How Data Will Be Reported

**Reporting**

Describe all reporting requirements and provide the title and frequency of report submittals to the agency.

Reporting Requirement	Title of Report	Submittal Frequency
<i>Prepare and submit report on annual emission rates of regulated pollutants.</i>	<i>Emissions Inventory Questionnaire</i>	<i>annually</i>

Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05

Facility Name McDonnell Douglas Corporation	County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. <i>Plant-wide</i>	Emission Unit No. <i>Plant-wide</i>	Applicable Requirement: <i>10 CSR 10-6.130</i>	

5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)

Check the Applicable Method	Basis of Compliance Method
<input type="checkbox"/> Testing	<input checked="" type="checkbox"/> Applicable Requirements
<input type="checkbox"/> Recordkeeping	<input type="checkbox"/> Gap Filling
<input type="checkbox"/> Monitoring	
<u>see below</u> Reporting	

Testing

Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.

Date	Test Method	Firm	Operating Conditions	Summary of Results
	N.A.			

Recordkeeping

List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.

Parameter (data) Being Recorded	Measurement Method	Frequency	Record Retention
N.A.			

Monitoring

Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.

Monitoring Device Type	Location Description	Pollutant(s) Being Monitored
N.A.		
Sampling Frequency	Duration of Sampling	How Data Will Be Reported

Reporting

Describe all reporting requirements and provide the title and frequency of report submittals to the agency.

Reporting Requirement	Title of Report	Submittal Frequency
McDonnell Douglas shall initiate its air pollution alert plan for its stationary sources when requested by the agency director.	-	N.A.

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. <i>Plant-wide</i>	Emission Unit No. <i>Plant-wide</i>	Applicable Requirement: <i>10 CSR 10-6.180</i>		
5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)				
Check the Applicable Method		Basis of Compliance Method		
<input checked="" type="checkbox"/> Testing	<input type="checkbox"/> Monitoring	<input checked="" type="checkbox"/> Applicable Requirements		
<input type="checkbox"/> Recordkeeping	<input checked="" type="checkbox"/> Reporting	<input type="checkbox"/> Gap Filling		
<b>Testing</b>				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.				
Date	Test Method <i>per the requirements of Sections (1) and (2) of the rule and at the request of the agency director</i>	Firm	Operating Conditions	Summary of Results
<b>Recordkeeping</b>				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded	Measurement Method	Frequency	Record Retention	
<i>N.A.</i>				
<b>Monitoring</b>				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type	Location Description	Pollutant(s) Being Monitored		
<i>N.A.</i>				
Sampling Frequency	Duration of Sampling	How Data Will Be Reported		
<b>Reporting</b>				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement	Title of Report	Submittal Frequency		
<i>per the requirements of Section (1) of the rule</i>	-	<i>per the requirements of Section (1) of the rule</i>		
Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05				

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. <i>BF-STL-03, BF-002-03, BF-027-03, BF-029-03, BF-048-03, BF-066-03, BF-101-03, BF-102-03, BF-220-03, and BF-245-03</i>		Emission Unit No. <i>BF-STL-03, BF-002-03, BF-027-03, BF-029-03, BF-048-03, BF-066-03, BF-101-03, BF-102-03, BF-220-03, and BF-245-03</i>		Applicable Requirement: <i>40 CFR Part 63, Subpart GG: Applicable subsections of: 63.743, 63.744, 63.749, 63.750, 63.752, and 63.753 for Aerospace Cleaning Operations</i>
<b>5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)</b>				
Check the Applicable Method <input checked="" type="checkbox"/> Testing <input checked="" type="checkbox"/> Recordkeeping			Basis of Compliance Method <input checked="" type="checkbox"/> Applicable Requirements <input type="checkbox"/> Gap Filling	
<b>Testing</b>				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.				
Date -	Test Method <i>composition and vapor pressure determinations: per the requirements of the applicable subsections of 63.750</i>	Firm <i>N.A.</i>	Operating Conditions <i>N.A.</i>	Summary of Results <i>N.A.</i>
<b>Recordkeeping</b>				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded <i>per the requirements of the applicable subsections of 63.752 depending on the cleaning compliance option chosen</i>		Measurement Method <i>Keep record log of parameters required by 63.752 including solvent vapor pressure data, organic HAP content, MSDS, etc.</i>	Frequency <i>as required by the applicable subsections of 63.752</i>	Record Retention <i>5 years</i>
<b>Monitoring</b>				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type <i>N.A.</i>		Location Description		Pollutant(s) Being Monitored
Sampling Frequency	Duration of Sampling	How Data Will Be Reported		
<b>Reporting</b>				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement <i>1) notification of compliance status</i>  <i>2) semiannual reports including information requested by the applicable subsections of 63.753</i>		Title of Report <i>1) Notification of Compliance Status Report</i>  <i>2) Semiannual Report</i>		Submittal Frequency <i>1) when source becomes subject to the rule</i> <i>2) every six (6) months from the date of the notification of compliance status</i>
Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05				



Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. None	Emission Unit No. MS-027-05	Applicable Requirement: 40 CFR Part 68		
5. Compliance Demonstration Methods (Testing, Monitoring, Record keeping, Reporting, etc.)				
Check the Applicable Method		Basis of Compliance Method		
<input type="checkbox"/> Testing	<input type="checkbox"/> Monitoring	<input checked="" type="checkbox"/> Applicable Requirements		
<input checked="" type="checkbox"/> Recordkeeping	<input checked="" type="checkbox"/> Reporting	<input type="checkbox"/> Gap Filling		
<b>Testing</b>				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.				
Date	Test Method	Firm	Operating Conditions	Summary of Results
	N.A.			
<b>Record keeping</b>				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded	Measurement Method	Frequency	Record Retention	
record keeping parameters indicated in Risk Management Plan	method described in Risk Management Plan	as indicated in Risk Management Plan	5 years	
<b>Monitoring</b>				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type	Location Description	Pollutant(s) Being Monitored		
N.A.				
Sampling Frequency	Duration of Sampling	How Data Will Be Reported		
<b>Reporting</b>				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement	Title of Report	Submittal Frequency		
McDonnell Douglas shall submit a Risk Management Plan package by the compliance date(s) specified in the rule as applicable.	Risk Management Plan	any time area is modified		
Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05				

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. None	Emission Unit No. MS-052-01	Applicable Requirement: 40 CFR Part 68		
<b>5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)</b>				
Check the Applicable Method		Basis of Compliance Method		
<input type="checkbox"/> Testing <input checked="" type="checkbox"/> Recordkeeping		<input checked="" type="checkbox"/> Applicable Requirements <input type="checkbox"/> Gap Filling		
<input checked="" type="checkbox"/> Monitoring <input checked="" type="checkbox"/> Reporting				
<b>Testing</b>				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.				
Date	Test Method	Firm	Operating Conditions	Summary of Results
	N.A.			
<b>Recordkeeping</b>				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded	Measurement Method	Frequency	Record Retention	
record keeping parameters indicated in Risk Management Plan	method described in Risk Management Plan	as indicated in Risk Management Plan	5 years	
<b>Monitoring</b>				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type	Location Description		Pollutant(s) Being Monitored	
N.A.				
Sampling Frequency	Duration of Sampling	How Data Will Be Reported		
<b>Reporting</b>				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement	Title of Report		Submittal Frequency	
McDonnell Douglas shall submit a Risk Management Plan package including a registration by the compliance date(s) specified in the rule as applicable.	Risk Management Plan		any time area is modified	

Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. CC-STL-01	Emission Unit No. CC-STL-01B	Applicable Requirement: 40 CFR Part 63, Subpart GG: Applicable subsections of: 63.743, 63.744, 63.749, 63.751, 63.752 and 63.753 for Aerospace Spray Gun Cleaning Operations		
<b>5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)</b>				
Check the Applicable Method		Basis of Compliance Method		
<input type="checkbox"/> Testing <input checked="" type="checkbox"/> Recordkeeping		<input checked="" type="checkbox"/> Monitoring <input checked="" type="checkbox"/> Reporting <input type="checkbox"/> Gap Filling		
<b>Testing</b>				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.				
Date	Test Method N.A.	Firm	Operating Conditions	Summary of Results
<b>Recordkeeping</b>				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded per the requirements of the applicable subsections of 63.752	Measurement Method as required by the applicable subsections of 63.752	Frequency as required by the applicable subsections of 63.752	Record Retention 5 years	
<b>Monitoring</b>				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type per the requirements of the applicable subsections of 63.751	Location Description			Pollutant(s) Being Monitored
Sampling Frequency	Duration of Sampling	How Data Will Be Reported		
<b>Reporting</b>				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement 1) notification of compliance status 2) semiannual report including the information requested by the applicable subsections of 63.753	Title of Report 1) Notification of Compliance Status Report 2) Semiannual Report		Submittal Frequency 1) when source becomes subject to the rule 2) every six (6) months from the date of the notification of compliance status	

Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05



## RM OP 15 COMPLIANCE DETERMINATION METHOD

Facility Name McDonnell Douglas Corporation	County No. 4300	Plant No. 0230	Year Submitted 1997
Location Point No. <i>Cold Cleaners, See Table D05-1 (attached)</i>	Emission Unit No. <i>See Table D05-1 (attached)</i>	Applicable Requirement: <i>10 CSR 10-5.300</i>	

## Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)

Check the Applicable Method

☐ Testing
 ☒ Monitoring
 ☒ Recordkeeping
 ☐ Reporting

Basis of Compliance Method

☐ Applicable Requirements
 ☒ Gap Filling

## Testing

Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.

Date	Test Method	Firm	Operating Conditions	Summary of Results
	<i>N.A.</i>			

## Recordkeeping

List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.

Parameter (data) Being Recorded	Measurement Method	Frequency	Record Retention
<i>1) solvent types and purchases</i>	<i>1) Records shall be kept of solvent types and purchases.</i>	<i>1) monthly</i>	<i>1) 5 years</i>
<i>2) solvent consumptions and wastes generated</i>	<i>2) Records shall be kept of solvent consumptions and waste generated.</i>	<i>2) as they occur</i>	<i>2) 5 years</i>
<i>3) maintenance and repair logs</i>	<i>3) Records shall be kept of maintenance and repair logs.</i>	<i>3) as they occur</i>	<i>3) 5 years</i>
<i>4) operator training</i>	<i>4) Conduct and keep records of training for degreaser operators and their supervisors.</i>	<i>4) once per year</i>	<i>4) 5 years</i>

## Monitoring

Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.

Monitoring Device Type <i>record keeping as identified in the above section</i>	Location Description	Pollutant(s) Being Monitored
Sampling Frequency	Duration of Sampling	How Data Will Be Reported

## Reporting

Describe all reporting requirements and provide the title and frequency of report submittals to the agency.

Reporting Requirement <i>No routine reporting. Records available upon agency request.</i>	Title of Report <i>N.A.</i>	Submittal Frequency <i>N.A.</i>
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Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05

**McDonnell Douglas Corporation**  
**St. Louis, Missouri**  
**Tracts I and II**

**Table D05-1 Cold Cleaners Subject to 10 CSR 10-5.300**  
**Control of Emissions from Solvent Metal Cleaning**

<b>EIQ Emission Point No.</b>	<b>Emission Unit No. (Activity Abbreviation/Building No./Unit No.)</b>	<b>Description</b>
CC-STL-01	CC-STL-01A	Facility Cold Cleaners
CC-STL-01	CC-STL-01B	Facility Spray Gun Cleaners
ML-051-01	CC-051-01	Cold Cleaner
ML-051-01	CC-051-02	Cold Cleaner
CC-STL-01	CC-101-15	Cold Cleaner
CC-101-01	CC-101-16	Cold Cleaner
CC-STL-01	CC-102-01	Cold Cleaner
CC-STL-01	CC-105-01	Cold Cleaner
CC-STL-01	CC-221-01	Cold Cleaner
CC-101-02	DT-101-07	Dip Tank
CC-101-02	DT-101-08	Dip Tank

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. CC-STL-01	Emission Unit No. CC-101-15	Applicable Requirement: 10 CSR 10-6.060 and St. Louis County-APC Code, Chapter 612-Section 612.110, Construction Permit #6188		
<b>5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)</b>				
Check the Applicable Method		Basis of Compliance Method		
<input checked="" type="checkbox"/> Testing <input checked="" type="checkbox"/> Recordkeeping		<input checked="" type="checkbox"/> Monitoring <input type="checkbox"/> Reporting <input type="checkbox"/> Applicable Requirements <input checked="" type="checkbox"/> Gap Filling		
<b>Testing</b>				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary results.				
Date	Test Method	Firm	Operating Conditions	Summary of Results
	N.A.			
<b>Recordkeeping</b>				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded	Measurement Method	Frequency	Record Retention	
amount of each material added to the unit	record keeping log	each time solvent is added	5 years	
<b>Monitoring</b>				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type	Location Description		Pollutant(s) Being Monitored	
record keeping as identified in the above section				
Sampling Frequency	Duration of Sampling	How Data Will Be Reported		
<b>Reporting</b>				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement	Title of Report	Submittal Frequency		
None	N.A.	N.A.		
Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05				

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. CC-STL-01	Emission Unit No. CC-105-01	Applicable Requirement: 10 CSR 10-6.060 and St. Louis County-APC Code, Chapter 612-Section 612.110, Construction Permit #6180		
<b>5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)</b>				
Check the Applicable Method		Basis of Compliance Method		
<input type="checkbox"/> Testing <input checked="" type="checkbox"/> Recordkeeping		<input checked="" type="checkbox"/> Monitoring <input type="checkbox"/> Reporting		
		<input type="checkbox"/> Applicable Requirements <input checked="" type="checkbox"/> Gap Filling		
<b>Testing</b>				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary results.				
Date	Test Method	Firm	Operating Conditions	Summary of Results
	N.A.			
<b>Recordkeeping</b>				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded	Measurement Method	Frequency	Record Retention	
amount of each material added to the unit	record keeping log	each time solvent is added	5 years	
<b>Monitoring</b>				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type	Location Description		Pollutant(s) Being Monitored	
record keeping as identified in the above section				
Sampling Frequency	Duration of Sampling	How Data Will Be Reported		
<b>Reporting</b>				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement	Title of Report	Submittal Frequency		
None	N.A.	N.A.		
Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05				

Facility Name McDonnell Douglas Corporation	County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. CC-STL-01	Emission Unit No. CC-221-01	Applicable Requirement: 10 CSR 10-6.060 and St. Louis County-APC Code, Chapter 612-Section 612.110, Construction Permit #6114	

## Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)

Check the Applicable Method

☐ Testing☒ Recordkeeping☒ Monitoring☒ Reporting

Basis of Compliance Method

☒ Applicable Requirements☐ Gap Filling

## Testing

Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary results.

Date	Test Method	Firm	Operating Conditions	Summary of Results
	N.A.			

## Recordkeeping

List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.

Parameter (data) Being Recorded	Measurement Method	Frequency	Record Retention
the amounts of each material added to the unit	record keeping log	each time solvent is added	5 years

## Monitoring

Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.

Monitoring Device Type	Location Description	Pollutant(s) Being Monitored
record keeping as identified in the above section		
Sampling Frequency	Duration of Sampling	How Data Will Be Reported

## Reporting

Describe all reporting requirements and provide the title and frequency of report submittals to the agency.

Reporting Requirement	Title of Report	Submittal Frequency
Notification to St. Louis County-APC Section should violations of permit condition #1 occur	N.A.	N.A.

Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05



Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. <i>See Table D05-2 (attached)</i>	Emission Unit No. <i>Spray Booths See Table D05-2 (attached)</i>	Applicable Requirement: 40 CFR Part 63, Subpart GG: Applicable subsections of: 63.743, 63.745, 63.749, 63.750, 63.751, 63.752, and 63.753 for Aerospace Primer and Topcoat Application		
<b>5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)</b>				
Check the Applicable Method		Basis of Compliance Method		
<input checked="" type="checkbox"/> Testing	<input checked="" type="checkbox"/> Monitoring	<input checked="" type="checkbox"/> Applicable Requirements		
<input checked="" type="checkbox"/> Recordkeeping	<input checked="" type="checkbox"/> Reporting	<input type="checkbox"/> Gap Filling		
<b>Testing</b>				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.				
Date -	Test Method <i>per the requirements of the applicable subsections of 63.750</i>	Firm <i>N.A.</i>	Operating Conditions <i>N.A.</i>	Summary of Results <i>N.A.</i>
<b>Recordkeeping</b>				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded <i>per the requirements of the applicable subsections of 63.752 depending on the compliance method chosen</i>	Measurement Method <i>as required by the applicable subsections of 63.752 for the compliance method chosen</i>	Frequency <i>as required by the applicable subsections of 63.752 for the compliance method chosen</i>	Record Retention <i>5 years</i>	
<b>Monitoring</b>				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type <i>per the requirements of the applicable subsections of 63.751 depending on the compliance method chosen</i>	Location Description		Pollutant(s) Being Monitored	
Sampling Frequency	Duration of Sampling	How Data Will Be Reported		
<b>Reporting</b>				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement 1) notification of compliance status  2) semiannual reports that identify requirements of the applicable subsections of 63.753 for the compliance method chosen 3) annual reports per the requirements of 63.753(c)(2) when the system operates outside of the limits specified by the filter or booth manufacturer	Title of Report 1) Notification of Compliance Status Report  2) Semiannual Certification Report and Semiannual Exceedance Report (if any exceedances occur) 3) Exceedance Report		Submittal Frequency 1) when source becomes subject to the rule 2) every six (6) months from the date of the notification of compliance status 3) every twelve (12) months from the date of the notification of compliance status	

Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05

# McDonnell Douglas Corporation

St. Louis, Missouri

Tracts I and II

**Table D05-2: Spray Booths Subject to 40 CFR 63 Subpart GG  
Aerospace NESHAP**

EQ Emission Point No.	Emission Unit No. (Activity Abbreviation/Building No./Unit No.)	Description
CL-002-01	SB-002-01	Spray Booth (Aerospace Production)
CL-002-02	SB-002-06	Spray Booth (Aerospace Production)
CL-027-01	SB-027-01	Spray Booth (Aerospace Production)
CL-027-01	SB-027-02	Spray Booth (Aerospace Production)
CL-027-01	SB-027-03	Spray Booth (Aerospace Production)
CL-027-01	SB-027-04	Spray Booth (Aerospace Production)
CL-027-01	SB-027-05	Spray Booth (Aerospace Production)
CL-029-02	SB-029A-01	Spray Booth (Aerospace Production)
CL-048-01	SB-048-01	Spray Booth (Aerospace Production)
CL-048-01	SB-048-02	Spray Booth (Aerospace Production)
CL-048-01	SB-048-03	Spray Booth (Aerospace Production)
CL-048-01	SB-048-04	Spray Booth (Aerospace Production)
CL-048-01	SB-048-05	Spray Booth (Aerospace Production)
CL-048-01	SB-048-06	Spray Booth (Aerospace Production)
CL-048-01	SB-048-07	Spray Booth (Aerospace Production)
CL-048-01	SB-048-08	Spray Booth (Aerospace Production)
CL-063-01	SB-063-01	Spray Booth (Aerospace Production)
CL-066-01	SB-066-01	Spray Booth (Aerospace Production)
CL-101-01	SB-101-25	Spray Booth (Aerospace Production)
CL-101-01	SB-101-26	Spray Booth (Aerospace Production)
CL-101-01	SB-101-27	Spray Booth (Aerospace Production)
CL-101-01	SB-101-29	Spray Booth (Aerospace Production)
CL-101-01	SB-101-30	Spray Booth (Aerospace Production)
CL-101-01	SB-101-39	Spray Booth (Aerospace Production)
CL-101-02	SB-101-02	Spray Booth (Aerospace Production)
CL-101-02	SB-101-33	Spray Booth (Aerospace Production)
CL-101-02	SB-101-40	Spray Booth (Aerospace Production)
CL-101-02	SB-101-40A	Spray Booth (Aerospace Production)
CL-101-03	SB-101-06	Spray Booth (Aerospace Production)
CL-102-01	SB-102-03	Spray Booth (Aerospace Production)
BF-STL-01	BF-STL-01	Facility Painting Operations

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. <i>See Table D05-3 (attached)</i>	Emission Unit No. <i>Spray Booths, See Table D05-3 (attached)</i>	Applicable Requirement: <i>10 CSR 10-5.050</i>		
<b>5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)</b>				
Check the Applicable Method		Basis of Compliance Method		
<input type="checkbox"/> Testing <input checked="" type="checkbox"/> Recordkeeping		<input checked="" type="checkbox"/> Monitoring <input type="checkbox"/> Reporting <input type="checkbox"/> Applicable Requirements <input checked="" type="checkbox"/> Gap Filling		
<b>Testing</b>				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.				
Date	Test Method	Firm	Operating Conditions	Summary of Results
	N.A.			
<b>Recordkeeping</b>				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded	Measurement Method	Frequency	Record Retention	
<i>material throughputs and PM emission rate</i>	<i>engineering and mass balance calculations using material throughputs (from purchasing data), spray gun transfer efficiency, and booth filter efficiency</i>	<i>annually (concentration back calculated from annual emission rate)</i>	<i>5 years</i>	
<b>Monitoring</b>				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type	Location Description		Pollutant(s) Being Monitored	
<i>record keeping as identified in the above section</i>				
Sampling Frequency	Duration of Sampling	How Data Will Be Reported		
<b>Reporting</b>				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement	Title of Report		Submittal Frequency	
<i>None</i>	<i>N.A.</i>		<i>N.A.</i>	

Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05



# McDonnell Douglas Corporation

St. Louis, Missouri

Tracts I and II

**Table D05-3: Spray Booths Subject to 10 CSR 10-5.050**  
**Restriction of Emission of Particulate Matter from Industrial Processes**

EQ Emission Point No.	Emission Unit No. (Activity Abbreviation/Building No./Unit No.)	Description
CL-002-01	SB-002-01	Spray Booth (Aerospace Production)
CL-002-02	SB-002-06	Spray Booth (Aerospace Production)
CL-027-01	SB-027-01	Spray Booth (Aerospace Production)
CL-027-01	SB-027-02	Spray Booth (Aerospace Production)
CL-027-01	SB-027-03	Spray Booth (Aerospace Production)
CL-027-01	SB-027-04	Spray Booth (Aerospace Production)
CL-027-01	SB-027-05	Spray Booth (Aerospace Production)
CL-029-01	CL-029-01	Coating Line (Aerospace Production)
CL-029-02	SB-029A-01	Spray Booth (Aerospace Production)
CL-048-01	SB-048-01	Spray Booth (Aerospace Production)
CL-048-01	SB-048-02	Spray Booth (Aerospace Production)
CL-048-01	SB-048-03	Spray Booth (Aerospace Production)
CL-048-01	SB-048-04	Spray Booth (Aerospace Production)
CL-048-01	SB-048-05	Spray Booth (Aerospace Production)
CL-048-01	SB-048-06	Spray Booth (Aerospace Production)
CL-048-01	SB-048-07	Spray Booth (Aerospace Production)
CL-048-01	SB-048-08	Spray Booth (Aerospace Production)
CL-060-01	SB-060-01	Spray Booth (Aerospace Production Using Aerosol Cans)
CL-063-01	SB-063-01	Spray Booth (Aerospace Production)
CL-066-01	SB-066-01	Spray Booth (Aerospace Production)
CL-101-01	SB-101-01	Spray Booth (Specialty Coatings Only)
CL-101-01	SB-101-07	Bench Spray Hood (Adhesives)
CL-101-01	SB-101-25	Spray Booth (Aerospace Production)
CL-101-01	SB-101-26	Spray Booth (Aerospace Production)
CL-101-01	SB-101-27	Spray Booth (Aerospace Production)
CL-101-01	SB-101-29	Spray Booth (Aerospace Production)
CL-101-01	SB-101-30	Spray Booth (Aerospace Production)
CL-101-01	SB-101-39	Spray Booth (Aerospace Production)
CL-101-02	SB-101-02	Spray Booth (Aerospace Production)
CL-101-02	SB-101-33	Spray Booth (Aerospace Production)
CL-101-02	SB-101-40	Spray Booth (Aerospace Production)
CL-101-02	SB-101-40A	Spray Booth (Aerospace Production)
CL-101-03	SB-101-06	Spray Booth (Aerospace Production)
CL-102-01	SB-102-03	Spray Booth (Aerospace Production)
CL-220-01	SB-220-01	Spray Booth (Aerospace Production)
CL-245-01	SB-245-01	Spray Booth (Tooling)
CL-245-01	SB-245-02	Spray Booth (Tooling)
NONE	SB-101-34	Spray Booth (Arc Spray)
NONE	SB-101-48	Spray Booth (Metal Powder)
NONE	SB-220-02	Sanding Booth

FORM OP - D05		COMPLIANCE DETERMINATION METHODS		FEDERALLY ENFORCEABLE		Section D	
Facility Name McDonnell Douglas Corporation		County No. 4300		Plant No. 0230		Year Submitted 1997	
Emission Point No. <i>See Table D05-4 (attached)</i>		Emission Unit No. <i>Spray Booths, See Table D05-4 (attached)</i>		Applicable Requirement: <i>10 CSR 10-5.330</i>			
5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)							
Check the Applicable Method				Basis of Compliance Method			
<input type="checkbox"/> Testing		<input checked="" type="checkbox"/> Monitoring		<input checked="" type="checkbox"/> Applicable Requirements			
<input checked="" type="checkbox"/> Recordkeeping		<input type="checkbox"/> Reporting		<input type="checkbox"/> Gap Filling			
<b>Testing</b>							
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.							
Date	Test Method	Firm	Operating Conditions		Summary of Results		
	N.A.						
<b>Recordkeeping</b>							
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.							
Parameter (data) Being Recorded		Measurement Method		Frequency		Record Retention	
<i>as required by Section (6) of the rule</i>		<i>as required by Section (6) of the rule</i>		<i>as required by Section (6) of the rule</i>		<i>5 years</i>	
<b>Monitoring</b>							
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.							
Monitoring Device Type		Location Description				Pollutant(s) Being Monitored	
<i>record keeping as required by the above section</i>							
Sampling Frequency		Duration of Sampling		How Data Will Be Reported			
<b>Reporting</b>							
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.							
Reporting Requirement		Title of Report			Submittal Frequency		
<i>None required. Records shall be made available upon agency request.</i>		N.A.			N.A.		
Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05							

Duplicate this form as needed

Page D05F-28

# McDonnell Douglas Corporation

St. Louis, Missouri

Tracts I and II

**Table D05-4: Spray Booths Subject to 10 CSR 10-5.330**  
**Control of Emissions from Industrial Surface Coating Operations**

EQ Emission Point No.	Emission Unit No. (Activity Abbreviation/Building No./Unit No.)	Description
CL-002-01	SB-002-01	Spray Booth (Aerospace Production)
CL-002-02	SB-002-06	Spray Booth (Aerospace Production)
CL-027-01	SB-027-01	Spray Booth (Aerospace Production)
CL-027-01	SB-027-02	Spray Booth (Aerospace Production)
CL-027-01	SB-027-03	Spray Booth (Aerospace Production)
CL-027-01	SB-027-04	Spray Booth (Aerospace Production)
CL-027-01	SB-027-05	Spray Booth (Aerospace Production)
CL-029-01	CL-029-01	Coating Line (Aerospace Production)
CL-029-02	SB-029A-01	Spray Booth (Aerospace Production)
CL-048-01	SB-048-01	Spray Booth (Aerospace Production)
CL-048-01	SB-048-02	Spray Booth (Aerospace Production)
CL-048-01	SB-048-03	Spray Booth (Aerospace Production)
CL-048-01	SB-048-04	Spray Booth (Aerospace Production)
CL-048-01	SB-048-05	Spray Booth (Aerospace Production)
CL-048-01	SB-048-06	Spray Booth (Aerospace Production)
CL-048-01	SB-048-07	Spray Booth (Aerospace Production)
CL-048-01	SB-048-08	Spray Booth (Aerospace Production)
CL-060-01	SB-060-01	Spray Booth (Aerospace Production Using Aerosol Cans)
CL-063-01	SB-063-01	Spray Booth (Aerospace Production)
CL-066-01	SB-066-01	Spray Booth (Aerospace Production)
CL-101-01	SB-101-01	Spray Booth (Specialty Coatings Only)
CL-101-01	SB-101-07	Bench Spray Hood (Adhesives)
CL-101-01	SB-101-25	Spray Booth (Aerospace Production)
CL-101-01	SB-101-26	Spray Booth (Aerospace Production)
CL-101-01	SB-101-27	Spray Booth (Aerospace Production)
CL-101-01	SB-101-29	Spray Booth (Aerospace Production)
CL-101-01	SB-101-30	Spray Booth (Aerospace Production)
CL-101-01	SB-101-39	Spray Booth (Aerospace Production)
CL-101-02	SB-101-02	Spray Booth (Aerospace Production)
CL-101-02	SB-101-33	Spray Booth (Aerospace Production)
CL-101-02	SB-101-40	Spray Booth (Aerospace Production)
CL-101-02	SB-101-40A	Spray Booth (Aerospace Production)
CL-101-03	SB-101-06	Spray Booth (Aerospace Production)
CL-102-01	SB-102-03	Spray Booth (Aerospace Production)
CL-220-01	SB-220-01	Spray Booth (Aerospace Production)
CL-245-01	SB-245-01	Spray Booth (Tooling)
CL-245-01	SB-245-02	Spray Booth (Tooling)
BF-STL-01	BF-STL-01	Facility Painting Operations

CRM OP - D05		COMPLIANCE DETERMINATION METHODS		FEDERALLY ENFORCEABLE		Section D	
Facility Name McDonnell Douglas Corporation		County No. 4300		Plant No. 0230		Year Submitted 1997	
Emission Point No. CL-002-01		Emission Unit No. SB-002-01		Applicable Requirement: 10 CSR 10-6.060 and St. Louis County-APC Code, Chapter 612-Section 612.110, Construction Permit #1780			
5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)							
Check the Applicable Method				Basis of Compliance Method			
<input type="checkbox"/> Testing		<input checked="" type="checkbox"/> Monitoring		<input checked="" type="checkbox"/> Applicable Requirements			
<input checked="" type="checkbox"/> Recordkeeping		<input checked="" type="checkbox"/> Reporting		<input type="checkbox"/> Gap Filling			
Testing							
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary results.							
Date	Test Method	Firm	Operating Conditions		Summary of Results		
	N.A.						
Recordkeeping							
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.							
Parameter (data) Being Recorded		Measurement Method		Frequency		Record Retention	
type and gallons of coatings used		record keeping log		daily		5 years	
Monitoring							
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.							
Monitoring Device Type		Location Description				Pollutant(s) Being Monitored	
record keeping as identified in the above section							
Sampling Frequency		Duration of Sampling		How Data Will Be Reported			
Reporting							
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.							
Reporting Requirement		Title of Report			Submittal Frequency		
Submit report on gallons of coatings used.		-			quarterly		
Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05							

ORM OP - D05

COMPLIANCE DETERMINATION METHODS

FEDERALLY ENFORCEABLE

Section D

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. CL-029-01	Emission Unit No. CL-029-01	Applicable Requirement: 10 CSR 10-6.060 and St. Louis County-APC Code, Chapter 612-Section 612.110, Construction Permit #6259		

5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)

Check the Applicable Method		Basis of Compliance Method	
<input type="checkbox"/> Testing	<input checked="" type="checkbox"/> Monitoring	<input checked="" type="checkbox"/> Applicable Requirements	<input type="checkbox"/> Gap Filling
<input checked="" type="checkbox"/> Recordkeeping	<input checked="" type="checkbox"/> Reporting		

Testing

Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary results.

Date	Test Method	Firm	Operating Conditions	Summary of Results
	N.A.			

Recordkeeping

List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.

Parameter (data) Being Recorded	Measurement Method	Frequency	Record Retention
adhesive bonding usage (gal), VOC content (lb/gal), HAP content (lb/gal)	record keeping log	monthly	5 years

Monitoring

Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.

Monitoring Device Type	Location Description	Pollutant(s) Being Monitored
record keeping as identified in the above section		
Sampling Frequency	Duration of Sampling	How Data Will Be Reported

Reporting

Describe all reporting requirements and provide the title and frequency of report submittals to the agency.

Reporting Requirement	Title of Report	Submittal Frequency
Notification to Program Manager should violations of permit condition #1 occur.	-	as violations occur

Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05



Facility Name McDonnell Douglas Corporation	County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. CL-029-02	Emission Unit No. SB-029A-01	Applicable Requirement: 10 CSR 10-6.060 and St. Louis County-APC Code, Chapter 612-Section 612.110, Construction Permit #1755	

### 5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)

Check the Applicable Method

Basis of Compliance Method

☐ Testing  
☒ Recordkeeping

☒ Monitoring  
☐ Reporting

☒ Applicable Requirements  
☐ Gap Filling

#### Testing

Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary results.

Date	Test Method	Firm	Operating Conditions	Summary of Results
	N.A.			

#### Recordkeeping

List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.

Parameter (data) Being Recorded	Measurement Method	Frequency	Record Retention
hours of operation (or amount of VOC/HAP as approved by St. Louis County Air Pollution Control)	Calculate maximum hours of operation using daily paint volume logs (or alternate method as approved by St. Louis County Air Pollution Control).	annual	5 years

#### Monitoring

Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.

Monitoring Device Type	Location Description	Pollutant(s) Being Monitored
record keeping as identified in the above section		
Sampling Frequency	Duration of Sampling	How Data Will Be Reported

#### Reporting

Describe all reporting requirements and provide the title and frequency of report submittals to the agency.

Reporting Requirement	Title of Report	Submittal Frequency
None	N.A.	N.A.

Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. CL-066-01	Emission Unit No. SB-066-01	Applicable Requirement: 10 CSR 10-6.060 and St. Louis County-APC Code, Chapter 612-Section 612.110, Construction Permit #1369		
<b>5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)</b>				
Check the Applicable Method		Basis of Compliance Method		
<input type="checkbox"/> Testing <input checked="" type="checkbox"/> Recordkeeping		<input checked="" type="checkbox"/> Monitoring <input type="checkbox"/> Reporting <input checked="" type="checkbox"/> Applicable Requirements <input type="checkbox"/> Gap Filling		
<b>Testing</b>				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary results.				
Date	Test Method N.A.	Firm	Operating Conditions	Summary of Results
<b>Recordkeeping</b>				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded	Measurement Method	Frequency	Record Retention	
hours of operation (or amount of VOC/HAP as approved by St. Louis County Air Pollution Control)	Calculate maximum hours of operation using daily paint volume logs (or alternate method as approved by St. Louis County Air Pollution Control).	annual	5 years	
<b>Monitoring</b>				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type record keeping as identified in the above section	Location Description		Pollutant(s) Being Monitored	
Sampling Frequency	Duration of Sampling	How Data Will Be Reported		
<b>Reporting</b>				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement None	Title of Report N.A.		Submittal Frequency N.A.	
Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05				

Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. CL-066-01	Emission Unit No. SB-066-02	Applicable Requirement: 10 CSR 10-6.060 and St. Louis County-APC Code, Chapter 612-Section 612.110, Construction Permit #1366		
5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)				
Check the Applicable Method		Basis of Compliance Method		
<input type="checkbox"/> Testing <input checked="" type="checkbox"/> Recordkeeping		<input checked="" type="checkbox"/> Monitoring <input type="checkbox"/> Reporting <input checked="" type="checkbox"/> Applicable Requirements <input type="checkbox"/> Gap Filling		
<b>Testing</b>				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary results.				
Date	Test Method N.A.	Firm	Operating Conditions	Summary of Results
<b>Recordkeeping</b>				
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.				
Parameter (data) Being Recorded	Measurement Method	Frequency	Record Retention	
hours of operation (or amount of VOC/HAP as approved by St. Louis County Air Pollution Control)	Calculate maximum hours of operation using daily paint volume logs (or alternate method as approved by St. Louis County Air Pollution Control).	annual	5 years	
<b>Monitoring</b>				
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.				
Monitoring Device Type record keeping as identified in the above section	Location Description	Pollutant(s) Being Monitored		
Sampling Frequency	Duration of Sampling	How Data Will Be Reported		
<b>Reporting</b>				
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.				
Reporting Requirement None	Title of Report N.A.	Submittal Frequency N.A.		
Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05				



Facility Name McDonnell Douglas Corporation	County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. CL-101-02	Emission Unit No. SB-101-02	Applicable Requirement: 10 CSR 10-6.060 and St. Louis County-APC Code, Chapter 612-Section 612.110, Construction Permit #1754	

Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)	
Check the Applicable Method	Basis of Compliance Method
<input type="checkbox"/> Testing	<input checked="" type="checkbox"/> Applicable Requirements
<input checked="" type="checkbox"/> Recordkeeping	<input type="checkbox"/> Gap Filling
<input checked="" type="checkbox"/> Monitoring	
<input type="checkbox"/> Reporting	

Testing				
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary results.				
Date	Test Method	Firm	Operating Conditions	Summary of Results
	N.A.			

Recordkeeping			
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.			
Parameter (data) Being Recorded	Measurement Method	Frequency	Record Retention
hours of operation (or amount of VOC/HAP as approved by St. Louis County Air Pollution Control)	Calculate maximum hours of operation using daily paint volume logs (or alternate method as approved by St. Louis County Air Pollution Control).	annual	5 years

Monitoring		
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.		
Monitoring Device Type	Location Description	Pollutant(s) Being Monitored
record keeping as identified in the above section		
Sampling Frequency	Duration of Sampling	How Data Will Be Reported

Reporting		
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.		
Reporting Requirement	Title of Report	Submittal Frequency
None	N.A.	N.A.

Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05

FORM OP - D05		COMPLIANCE DETERMINATION METHODS		FEDERALLY ENFORCEABLE		Section D	
Facility Name McDonnell Douglas Corporation		County No. 4300		Plant No. 0230		Year Submitted 1997	
Emission Point No. CL-101-03		Emission Unit No. SB-101-04		Applicable Requirement: 10 CSR 10-6.060 and St. Louis County-APC Code, Chapter 612-Section 612.110, Construction Permit #5988			
Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)							
Check the Applicable Method				Basis of Compliance Method			
<input type="checkbox"/> Testing		<input checked="" type="checkbox"/> Monitoring		<input checked="" type="checkbox"/> Applicable Requirements			
<input checked="" type="checkbox"/> Recordkeeping		<input checked="" type="checkbox"/> Reporting		<input type="checkbox"/> Gap Filling			
Testing							
Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.							
Date	Test Method	Firm	Operating Conditions		Summary of Results		
	N.A.						
Recordkeeping							
List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.							
Parameter (data) Being Recorded <i>as required by Section (6) of 10 CSR 10-5.330</i>		Measurement Method <i>record keeping log</i>		Frequency <i>daily</i>		Record Retention <i>5 years</i>	
Monitoring							
Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.							
Monitoring Device Type <i>record keeping as identified in above section</i>		Location Description				Pollutant(s) Being Monitored	
Sampling Frequency		Duration of Sampling		How Data Will Be Reported			
Reporting							
Describe all reporting requirements and provide the title and frequency of report submittals to the agency.							
Reporting Requirement <i>paint usage</i>		Title of Report				Submittal Frequency <i>quarterly</i>	
Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05							

COMPLIANCE DETERMINATION METHODS

FORM OP - D05

Facility Name Donnell Douglas Corporation	County No. 4300	Plant No. 0230	Year Submitted 1997
Permit Point No. CL-101-03	Emission Unit No. SB-101-45 MB-101-01	Applicable Requirement: 10 CSR 10-6.060 and St. Louis County-APC Code, Chapter 612-Section 612.110, Construction Permit #6208	

Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)

Check the Applicable Method

<input type="checkbox"/> Testing	<input checked="" type="checkbox"/> Monitoring
<input checked="" type="checkbox"/> Recordkeeping	<input checked="" type="checkbox"/> Reporting

Basis of Compliance Method

<input checked="" type="checkbox"/> Applicable Requirements
<input type="checkbox"/> Gap Filling

Testing

Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary results.

Site	Test Method	Firm	Operating Conditions	Summary of Results
	N.A.			

Recordkeeping

List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.

Parameter (data) Being Recorded	Measurement Method	Frequency	Record Retention
as required by Section (6) of 10 CSR 10-330 coating usage, VOC content (twelve (12) month rolling average)	record keeping log	1) daily 2) monthly	5 years

Monitoring

Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.

Monitoring Device Type	Location Description	Pollutant(s) Being Monitored
record keeping as identified in the above section		
Sampling Frequency	Duration of Sampling	How Data Will Be Reported

Reporting

Describe all reporting requirements and provide the title and frequency of report submittals to the agency.

Reporting Requirement	Title of Report	Submittal Frequency
Notification to Program Manager should violations of permit condition #2 or 10 CSR 10-5.330 occur.	-	no later than the next working day after violation occurs

Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05

Facility Name McDonnell Douglas Corporation	County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. CL-248-01	Emission Unit No. SB-248-01	Applicable Requirement: 10 CSR 10-6.060 and St. Louis County-APC Code, Chapter 612-Section 612.110, Construction Permit #1753	

**Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)**

Check the Applicable Method

Basis of Compliance Method

☐ Testing ☒ Monitoring  
☒ Recordkeeping ☐ Reporting

☒ Applicable Requirements  
☐ Gap Filling

**Testing**

Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary results.

Date	Test Method	Firm	Operating Conditions	Summary of Results
	N.A.			

**Recordkeeping**

List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.

Parameter (data) Being Recorded	Measurement Method	Frequency	Record Retention
hours of operation (or amount of VOC/HAP as approved by St. Louis County Air Pollution Control)	Calculate maximum hours of operation using daily paint volume logs (or alternate method as approved by St. Louis County Air Pollution Control).	annual	5 years

**Monitoring**

Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.

Monitoring Device Type	Location Description	Pollutant(s) Being Monitored
record keeping as identified in the above section		
Sampling Frequency	Duration of Sampling	How Data Will Be Reported

**Reporting**

Describe all reporting requirements and provide the title and frequency of report submittals to the agency.

Reporting Requirement	Title of Report	Submittal Frequency
None	N.A.	N.A.

Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05



Facility Name McDonnell Douglas Corporation		County No. 4300	Plant No. 0230	Year Submitted 1997
Emission Point No. <i>Combustion Sources, See Table D05-5 (attached)</i>	Emission Unit No. <i>See Table D05-5 (attached)</i>	Applicable Requirement: <i>10 CSR 10-5.030 (2)(B)2. and (3)(B)2.</i>		

## 5. Compliance Demonstration Methods (Testing, Monitoring, Recordkeeping, Reporting, etc.)

Check the Applicable Method

☐ Testing☒ Recordkeeping☒ Monitoring☐ Reporting

Basis of Compliance Method

☐ Applicable Requirements☒ Gap Filling

## Testing

Describe any tests which have been performed to quantify emissions. Include the date of the test, methods and procedures used, testing company, operating conditions existing during the test and summary of results.

Date	Test Method	Firm	Operating Conditions	Summary of Results
	N.A.			

## Recordkeeping

List parameters for which records are being maintained, the frequency of such records (hourly, daily, etc.) And the length of time records are retained from the date of entry. For each recorded parameter include the method of measurement.

Parameter (data) Being Recorded	Measurement Method	Frequency	Record Retention
See Attachment A	See Attachment A	N.A.	N.A.

## Monitoring

Describe any emission monitoring used, location of monitor, pollutants being monitored, sampling frequency and duration, and data reporting method.

Monitoring Device Type	Location Description	Pollutant(s) Being Monitored
See Attachment A		
Sampling Frequency	Duration of Sampling	How Data Will Be Reported

## Reporting

Describe all reporting requirements and provide the title and frequency of report submittals to the agency.

Reporting Requirement	Title of Report	Submittal Frequency
None	N.A.	N.A.

Attach description for any Alternate Compliance Demonstration Methods not listed above and label as EXHIBIT FORM OP - D05

McDONNELL DOUGLAS CORPORATION  
ST. LOUIS, MISSOURI  
TRACTS I AND II

ATTACHMENT A

Form OP - D05 Compliance Determination Methods

10 CSR 10-5.030 Maximum Allowable Emission of Particulate Matter From Fuel  
Burning Equipment Used For Indirect Heating

Emission Point Nos. (See Table D05-5)

10 CSR 10-5.030(2)(B)2.

For "Existing" Sources (Prior to Feb. 15, 1979):

*Boilers, Space Heaters, and Misc. Combustion Equipment*

*(NG and FO)*

*(The AP-42 emission factors were used as the method to demonstrate a "one-time" compliance determination with the PM emission limits developed per 10 CSR 10-5.030.)*

Per 10 CSR 10-5.030 (2)(B)2., each indirect heating source has a PM emission limit determined by  $E = 1.09 Q^{-0.259}$ , where  $Q$  = the total heat input of all "existing" indirect heating sources at the facility. The total  $Q$  for the facility is 542 MMBtu/hr and the corresponding PM emission limit for each boiler, space heater, and other miscellaneous indirect heating source is 0.21 lb/MMBtu of heat input. This emission limit is higher than the AP-42 emission factors that would be otherwise used as a method of determining compliance with this limit. For example, for natural gas-fired boilers and space heaters (10-100 MMBtu/hr), the AP-42 emission factor is 13.7 lb/MMCF (i.e., 0.014 lb/MMBtu); and for boilers rated <10 MMBtu/hr, the AP-42 emission factor is 11.9 lb/MMCF (i.e., 0.012 lb/MMBtu). These emission factors are based on the actual stack test results of numerous natural gas-fired boilers and serve as an accurate representation of the PM emission rate. Therefore, since the emission rate limit determined for this facility is much higher than the emission rate expected from natural gas boilers and space heaters (as indicated by the AP-42 emission factor), these sources will always be in compliance with this regulation.